Claims

1. Process for producing rotationally symmetrical quartz glass crucibles where an electric arc is created by means of an electrode arrangement comprising one or several anodes and a cathode thus heating a wall or a section of a wall of the rotating quartz glass crucible, characterized in that by means of at least one additional electrode arrangement (8) comprising one or several anodes (9) and a cathode (10) an additional electric arc is created which heats an additional wall section of the quartz glass crucible (2).

2. Process according to Claim 1, characterized in that the electrode arrangement heats different sections located at a distance from one another in the direction of the rotational axis of the quartz glass crucible.

3. Device for producing a rotationally symmetrical quartz glass crucible through zone-by-zone heating by means of an electrode arrangement provided for the creation of an electric arc and comprising one or several anodes and a cathode with the quartz glass crucible rotatable about its rotational axis, characterized in that in addition to the first electrode arrangement (7) the device (5) is provided with at least a further electrode arrangement (8) comprising one or several anodes (9) and a cathode (10) and inclined toward that section (15) of the quartz glass crucible (2) which is opposite the first electrode arrangement (7).

4. Device according to Claim 3, characterized in that the electrode arrangements (7, 8) are located in different positions at a distance from one another in the direction of the rotational axis of the quartz glass crucible (2).

5. Device according to Claim 3 or 4, characterized in that the electrode arrangements (7, 8) are displaceable independently from one another.

6. Device according to at least one of the Claims 3 to 5, characterized in that the electrode arrangements (7, 8) are evenly spaced in relation to the periphery of the quartz glass crucible (2).

7. Device according to at least one of the Claims 3 to 6, characterized in that at least one electrode arrangement (7, 8) is provided with a supply means for SiO2 granulate while at least one additional electrode arrangement (7, 8) is provided exclusively for heating.